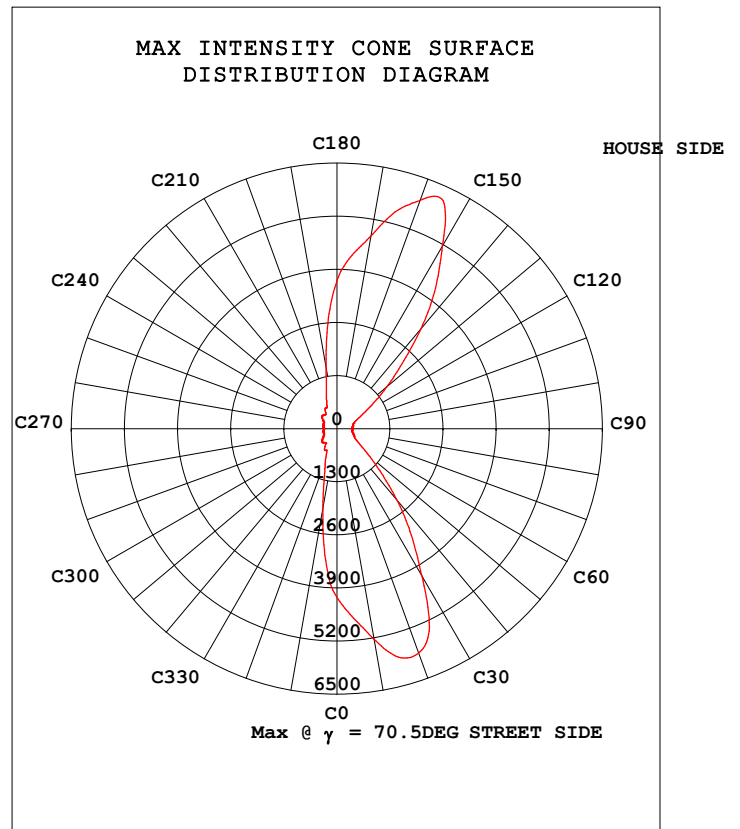
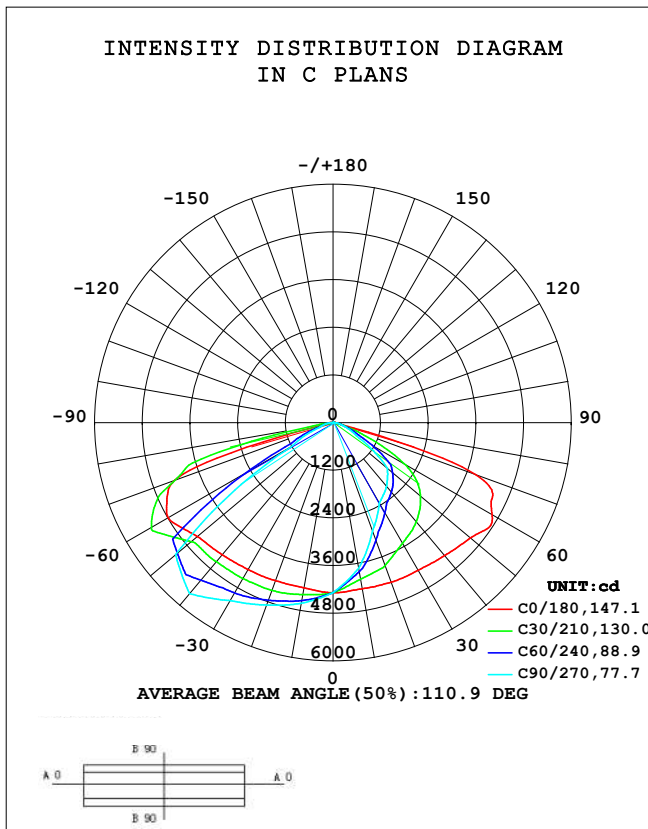


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:220.8V I:0.4624A P:100.4W PF:0.9835 Lamp Flux:15256.5x1 lm		
NAME: OPCITYIII-100W-4070-6C1T3M-0612	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 151.92 lm/W			
MODEL	LED	Imax(cd)	6159	η street_up(%)	0.0
NOMINAL POWER(W)	100	LOR(%)	100.0	η street_down(%)	50.8
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	15256	η house_up(%)	0.0
NOMINAL FLUX(lm)	15256.5	MAXIMUM @ (C, γ)	155,70.5	η house_down(%)	49.2
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	18.188



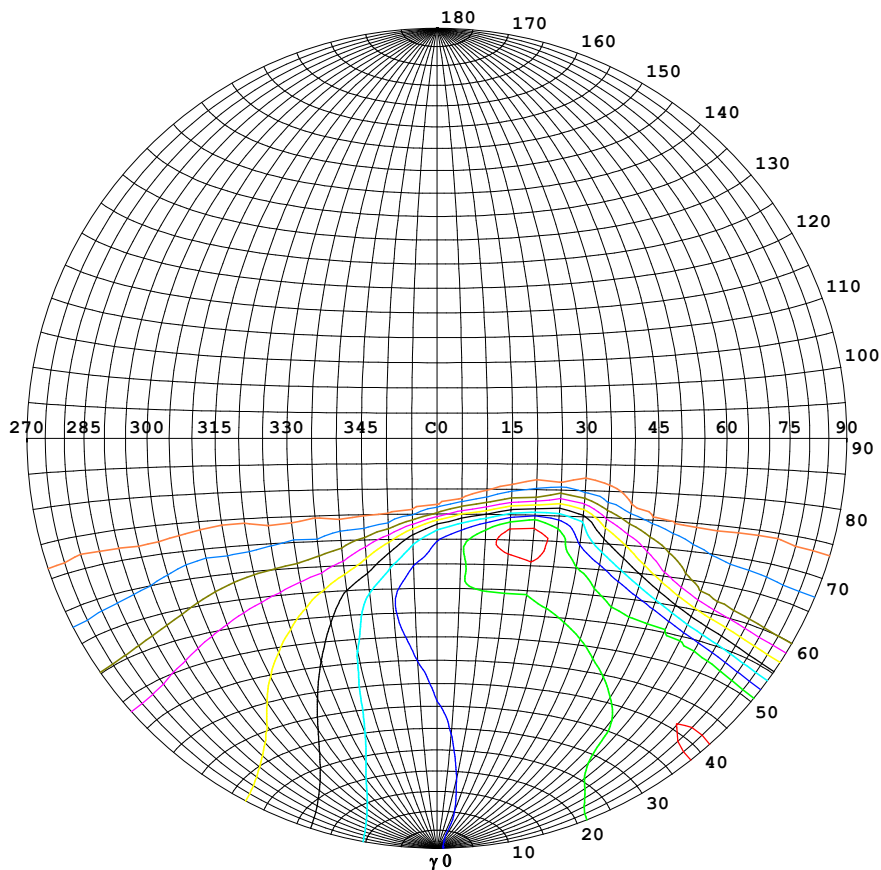
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

Note: SLI:Specific Luminaire Index

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:220.8V I:0.4624A P:100.4W PF:0.9835 Lamp Flux:15256.5x1 lm		
NAME: OPCITYIII-100W-4070-6C1T3M-0612	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:



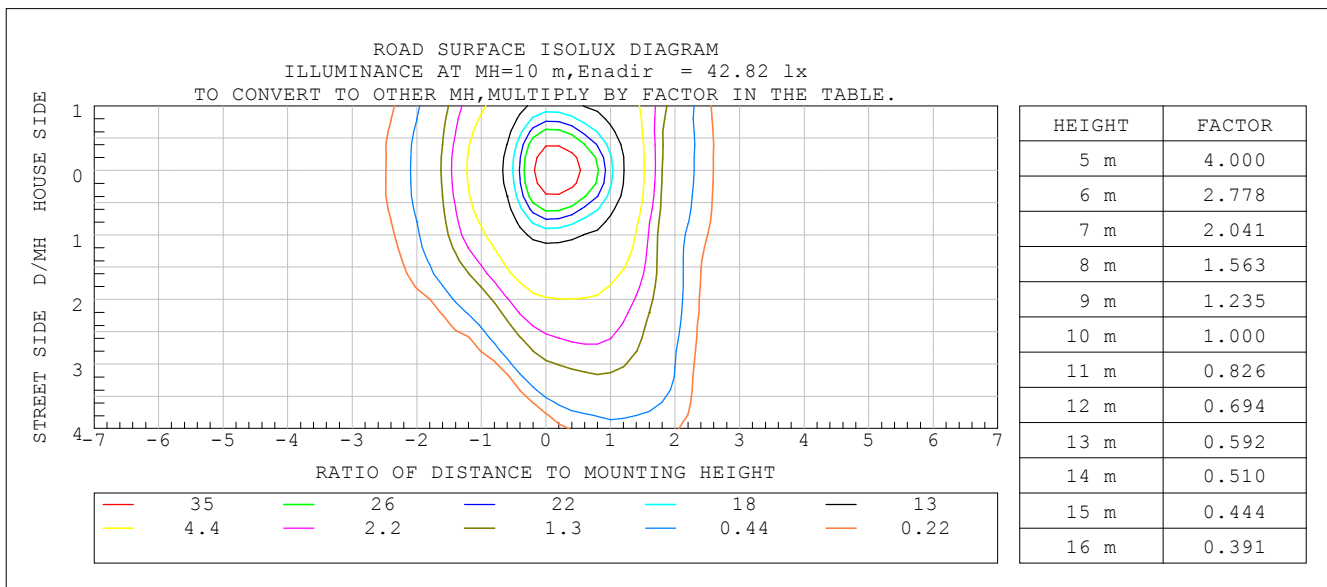
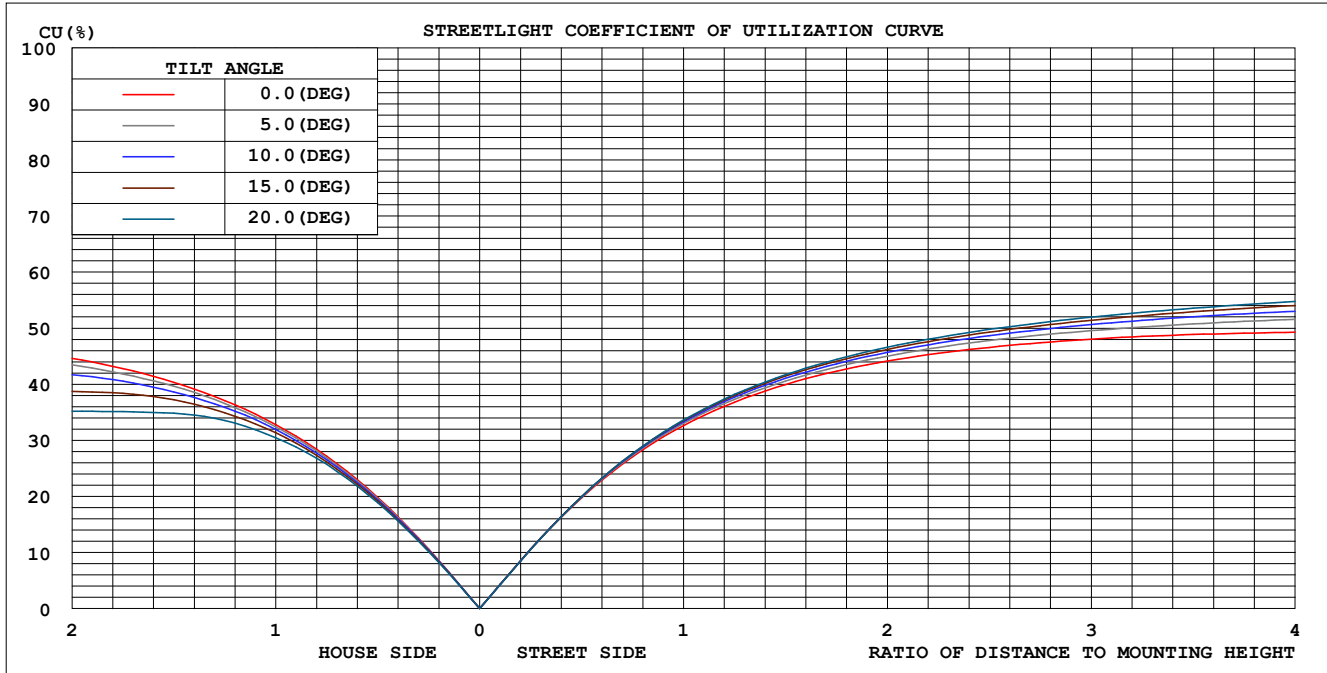
Classification:

IES:Type IV - Medium
CIE:Broad - Long
IES:Cut-off
CIE:Semi-cut-off
Max.At80:62.86cd/klm
Max.At90:3.750cd/klm
Max.80-90:62.86cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	6159
90%	5543
80%	4927
70%	4311
60%	3695
50%	3079
40%	2464
30%	1848
20%	1232
10%	616
5%	308

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-26

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-08-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 7.370m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:220.8V I:0.4624A P:100.4W PF:0.9835 Lamp Flux:15256.5x1 lm		
NAME: OPCITYIII-100W-4070-6C1T3M-0612	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:

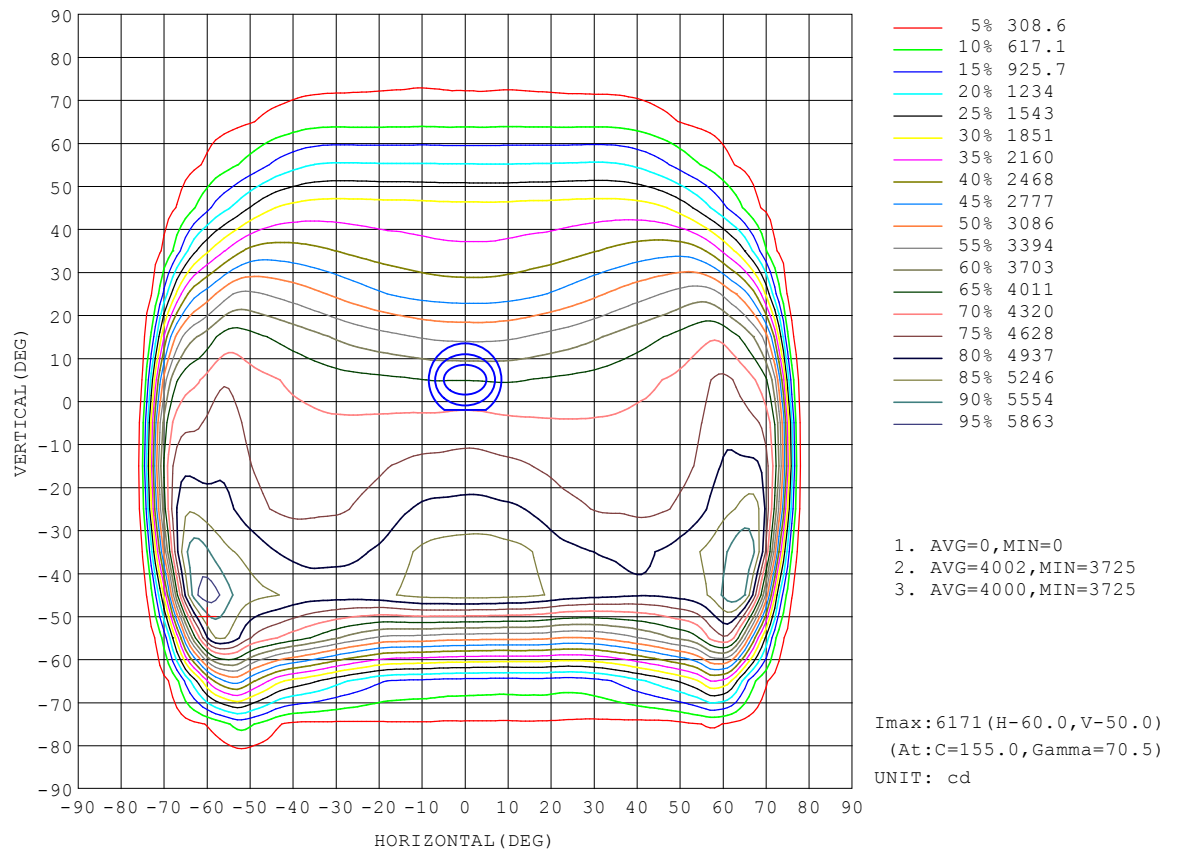
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
5	4256	4387	4451	4391	4263	4083	4004	4077	0- 5	101.7	101.7	0.67,0.67
10	4221	4474	4620	4487	4248	3896	3725	3882	5- 10	301.2	403.0	2.64,2.64
15	4221	4566	4753	4593	4260	3724	3318	3701	10- 15	493.9	896.8	5.88,5.88
20	4235	4630	4885	4660	4275	3461	2911	3448	15- 20	675.3	1572	10.3,10.3
25	4257	4667	5029	4707	4286	3199	2624	3202	20- 25	844.6	2417	15.8,15.8
30	4274	4694	5173	4708	4293	2988	2336	2995	25- 30	1004	3421	22.4,22.4
35	4302	4703	5396	4689	4325	2789	2218	2795	30- 35	1155	4576	30,30
40	4346	4745	5619	4694	4371	2585	2099	2592	35- 40	1304	5880	38.5,38.5
45	4393	4946	5396	4864	4436	2446	1945	2448	40- 45	1440	7320	48,48
50	4462	5186	5173	5079	4517	2243	1791	2244	45- 50	1546	8866	58.1,58.1
55	4630	4997	3194	5096	4699	1979	1250	1992	50- 55	1586	10453	68.5,68.5
60	4795	4561	1215	4960	4627	1612	708.7	1638	55- 60	1464	11917	78.1,78.1
65	4615	2957	798.1	3822	4433	991.2	525.8	1015	60- 65	1243	13160	86.3,86.3
70	4243	1657	381.7	2432	3817	504.3	342.9	519.4	65- 70	1036	14196	93.1,93.1
75	1358	443.7	271.0	682.7	543.9	264.6	221.7	262.7	70- 75	711.4	14908	97.7,97.7
80	170.3	194.8	160.4	302.5	143.6	156.2	100.5	148.0	75- 80	268.0	15176	99.5,99.5
85	89.77	53.05	0	56.88	60.59	41.64	0	36.95	80- 85	70.72	15246	99.9,99.9
90	57.21	0	0	0	49.63	0	0	0	85- 90	10.15	15256	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-26

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

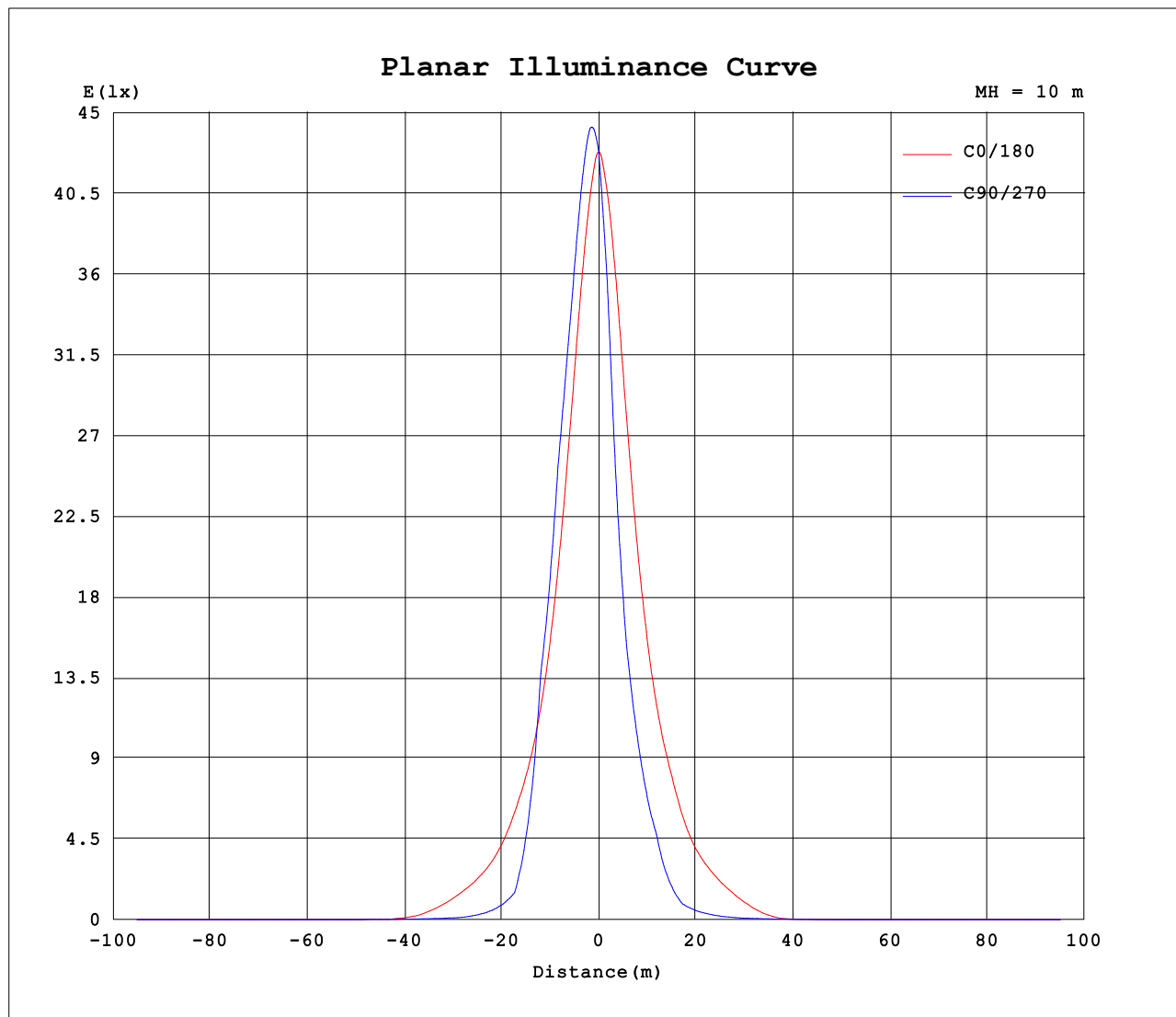
Test:U:220.8V I:0.4624A P:100.4W PF:0.9835 Lamp Flux:15256.5x1 lm		
NAME: OPCITYIII-100W-4070-6C1T3M-0612	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

Planar Illuminance Curve



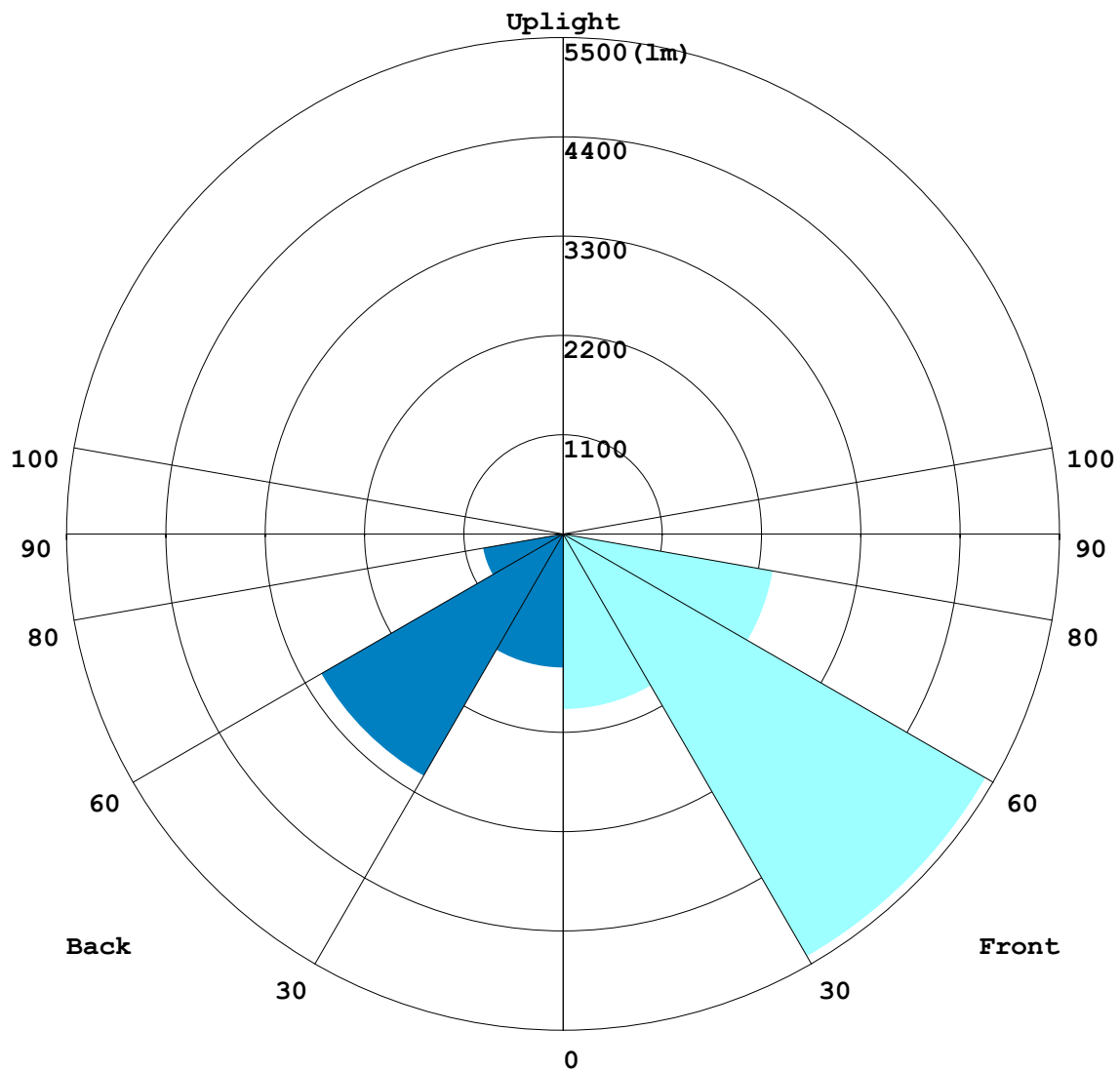
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-08-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 7.370m [K=1.0000]
Remarks:

LCS REPORT

Test:U:220.8V I:0.4624A P:100.4W PF:0.9835 Lamp Flux:15256.5x1 lm		
NAME: OPCITYIII-100W-4070-6C1T3M-0612	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

BUG REPORT

Test:U:220.8V I:0.4624A P:100.4W PF:0.9835 Lamp Flux:15256.5x1 lm		
NAME: OPCITYIII-100W-4070-6C1T3M-0612	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1941	12.7
FM - Front-Medium(30-60)	5402.2	35.4
FH - Front-High(60-80)	2360.5	15.5
FVH - Front-Very High(80-90)	52.744	0.3
Total Forward Light	9756.4	63.9

BL - Back-Low(0-30)	1479.9	9.7
BM - Back-Medium(30-60)	3093.7	20.3
BH - Back-High(60-80)	898.31	5.9
BVH - Back-Very High(80-90)	28.118	0.2
Total Back Light	5500	36.1

UL - Uplight-Low(90-100)	0	0.0
UH - Uplight-High(100-180)	0	0.0
Total Up Light	0	0.0

BUG(Back,Up,Glare) Rating	B3-U0-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	5500	0	5500
Street Side	9756.4	0	9756.4

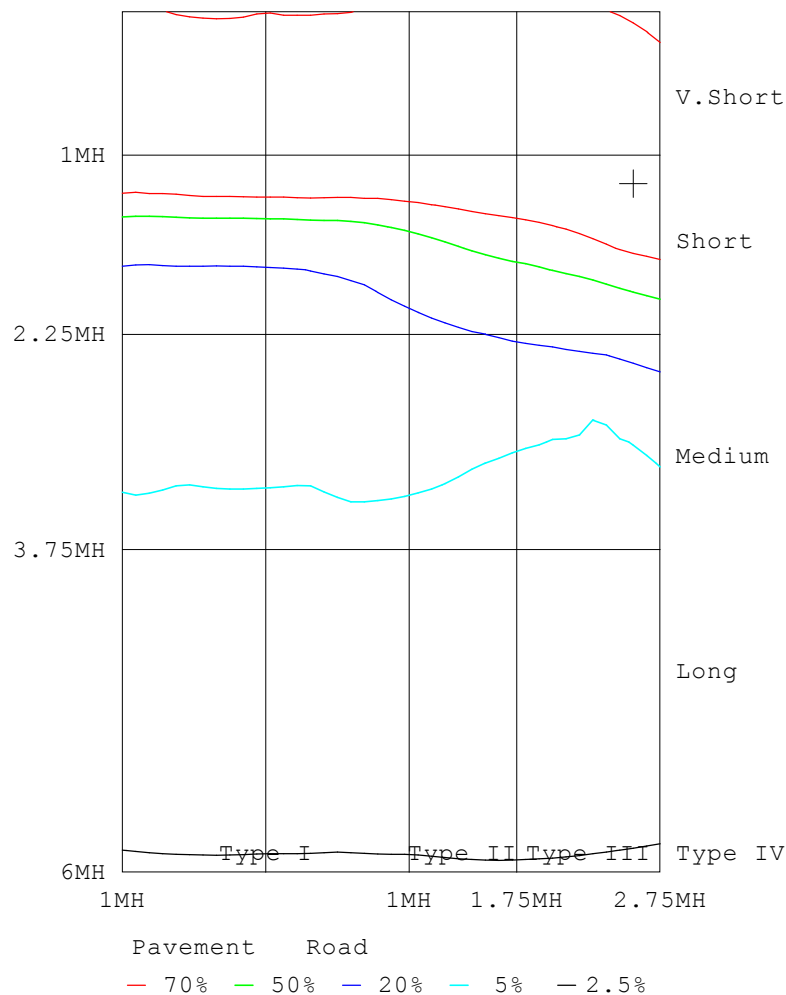
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-26

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:220.8V I:0.4624A P:100.4W PF:0.9835 Lamp Flux:15256.5x1 lm		
NAME: OPCITYIII-100W-4070-6C1T3M-0612	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-08-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
 Humidity:65.0%
 Test Distance:7.370m [K=1.0000]
 Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```